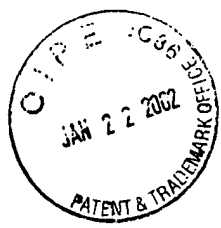


#5



SEQUENCE LISTING

<110> Abbott Laboratories
Shah, Dinesh O.
Dawson, George A.
Muerhoff, A. Scott
Jiang, Lily
Gutierrez, Robin A.
Leary, Thomas P.
Desai, Suresh
Stewart, James L.

<120> Methods For The simultaneous Detection
Of HCV Antigens And HCV Antibodies

<130> 6821.US.01

<140> 09/891,983

<141> 2001-06-26

<160> 36

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 1

atagaattcc atgcagaaaa aaaacaaacg taacaccaac

40

<210> 2

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 2

cggtgagaa cgttcagagg ttttaacgat ctgaccacca cccggg

46

<210> 3

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 3

aaaacctctg aacgtttctca gccg 24
 <210> 4
 <211> 36
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer
 <400> 4
 tatggatcct tattacggag acagcagcca accagc 36
 <210> 5
 <211> 244
 <212> DNA
 <213> Hepatitis C Virus
 <400> 5
 gaattccatg cagaaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt 60
 cccgggtggg ggtcagatcg ttaaaacctc tgaacgttct cagccgcgtg ggcgtcgtca 120
 gccgatcccc aaagctcgtc gtccggaagg tcgtacctgg gctcagccgg gttaccctgtg 180
 gccgctgtac ggtaacgaag gttgcgggtg ggcaggttgg ctgctgtctc cgtaataagg 240
 atcc 244
 <210> 6
 <211> 75
 <212> PRT
 <213> Hepatitis C Virus
 <400> 6
 Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
 1 5 10 15
 Lys Phe Pro Gly Gly Gly Gln Ile Val Lys Thr Ser Glu Arg Ser Gln
 20 25 30
 Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly
 35 40 45
 Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu
 50 55 60
 Gly Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro
 65 70 75
 <210> 7
 <211> 280
 <212> DNA
 <213> Hepatitis C Virus
 <400> 7
 gaattccatg cagaaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt 60
 cccgggtggg ggtcagatcg ttggtctgct gccgcgtcgt ggtccgcgtc tgggtcgtaa 120
 aacctctgaa cgttctcagc cgcgtgggcg tcgtcagccg atcccgaag ctcgctcgtcc 180
 ggaaggtegt acctgggctc agccgggtta cccgtggccc ctgtacggta acgaaggttg 240
 cggttgggct ggttggctgc tgtctccgta ataaggatcc 280
 <210> 8
 <211> 87
 <212> PRT

<213> Hepatitis C Virus

<400> 8

Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
 1 5 10 15
 Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Leu Leu Pro Arg Arg Gly
 20 25 30
 Pro Arg Leu Gly Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg
 35 40 45
 Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala
 50 55 60
 Gln Pro Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp
 65 70 75 80
 Ala Gly Trp Leu Leu Ser Pro
 85

<210> 9

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 9

accagacgc ggaccacgac gcggcagcag accaacgatc tgaccaccac cc 52

<210> 10

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 10

ccgcgctcgtg gtccgcgtct gggtcgtaaa acctctgaac gttctcag 48

<210> 11

<211> 301

<212> DNA

<213> Hepatitis C Virus

<400> 11

gaattccatg cagaaaaaaaa acaaacgtaa caccaaccgt cgcccgcagg acgttaaatt 60
 cccgggtggt ggtcagatcg ttggtggtgt ttacgttctg ccgcgctcgtg gtccgcgtct 120
 ggggtttctg gctacgcgta aaacctctga acgttctcag ccgcgtgggc gtcgtcagcc 180
 gatcccgaaa gctcgtcgtc cggaaggtcg tacctgggct cagccgggtt acccgtggcc 240
 gctgtacggt aacgaagggt gcggttgggc tgggttgctg ctgtctccgt aataaggatc 300
 c 301

<210> 12

<211> 94

<212> PRT

<213> Hepatitis C Virus

<400> 12

```

Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
 1          5          10          15
Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Val Leu Pro
 20          25          30
Arg Arg Gly Pro Arg Leu Gly Val Leu Ala Thr Arg Lys Thr Ser Glu
 35          40          45
Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg
 50          55          60
Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr
 65          70          75          80
Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro
          85          90

```

```

<210> 13
<211> 45
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Primer

```

```

<400> 13
accagacgc ggaccacgac gcggcagaac gtaaacacca ccaac 45

```

```

<210> 14
<211> 45
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Primer

```

```

<400> 14
ccgcgtcgtg gtccgcgtct ggggtttctg gctacgcgta aaacc 45

```

```

<210> 15
<211> 300
<212> DNA
<213> Hepatitis C Virus

```

```

<220>
<221> misc_feature
<222> (99)...(99)
<223> n = a or g or c or t/u, unknown, or other at
        position 99

```

```

<400> 15
gaattccatg cagaaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt 60
ccggggtggt ggtcagatcg ttgggtggtt ttacctgctn ccgcgtcgtg gtccgcgtct 120
gggtgttcgt gctacgcgta aaacctctga acgttctcag ccgcgtgggc gtcgtcagcc 180
gatccgaaag ctgcgtcgtcc ggaaggctgt acctgggctc agccggggtta cccgtggccc 240
ctgtacggta acgaaggttg cggttgggct ggttggctgc tgtctccgta ataaggatcc 300

```

```

<210> 16
<211> 94
<212> PRT
<213> Hepatitis C Virus

```

<400> 16
 Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
 1 5 10 15
 Lys Phe Pro Gly Gly Gln Ile Val Gly Gly Val Tyr Leu Leu Pro
 20 25 30
 Arg Arg Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys Thr Ser Glu
 35 40 45
 Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg
 50 55 60
 Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr
 65 70 75 80
 Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro
 85 90

<210> 17
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 17
 gatcgctcga attcctcg 18

<210> 18
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer

<400> 18
 ttctagcgag cttaaggagc 20

<210> 19
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 19
 Met Ser Thr Asn Pro Lys Pro Gln Lys Lys Asn Lys Arg Asn Thr Asn
 1 5 10 15
 Arg Arg

<210> 20
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 20
 Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val Lys Phe Pro Gly
 1 5 10 15
 Gly Gly

<210> 21
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 21
 Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu
 1 5 10 15
 Leu Pro

<210> 22
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 22
 Val Gly Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val
 1 5 10 15
 Arg Ala

<210> 23
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 23
 Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys Thr Ser Glu Arg Ser
 1 5 10 15
 Gln Pro

<210> 24
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 24
 Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro
 1 5 10 15
 Lys Ala

<210> 25
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 25
 Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp
 1 5 10 15
 Ala Gln

<210> 26
 <211> 18
 <212> PRT
 <213> Hepatitis C Virus

<400> 26
 Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr
 1 5 10 15
 Gly Asn

<210> 27
 <211> 19
 <212> PRT
 <213> Hepatitis C Virus

<400> 27
 Gln Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp Ala Gly
 1 5 10 15
 Trp Leu Leu

<210> 28
 <211> 17
 <212> PRT
 <213> Hepatitis C Virus

<400> 28
 Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser
 1 5 10 15
 Trp

<210> 29
 <211> 25
 <212> PRT
 <213> Hepatitis C Virus

<400> 29
 Trp Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp
 1 5 10 15
 Pro Arg Arg Arg Ser Arg Asn Leu Gly
 20 25

<210> 30
 <211> 25
 <212> PRT
 <213> Hepatitis C Virus

<400> 30
 Ser Trp Gly Pro Thr Asp Pro Arg Arg Arg Ser Arg Asn Leu Gly Lys
 1 5 10 15
 Val Ile Asp Thr Leu Thr Cys Gly Phe
 20 25

<210> 31
 <211> 25

<212> PRT
 <213> Hepatitis C Virus

<400> 31
 Ser Arg Asn Leu Gly Lys Val Ile Asp Thr Leu Thr Cys Gly Phe Ala
 1 5 10 15
 Asp Leu Met Gly Tyr Ile Pro Leu Val
 20 25

<210> 32
 <211> 25
 <212> PRT
 <213> Hepatitis C Virus

<400> 32
 Leu Thr Cys Gly Phe Ala Asp Leu Met Gly Tyr Ile Pro Leu Val Gly
 1 5 10 15
 Ala Pro Leu Gly Gly Ala Ala Arg Ala
 20 25

<210> 33
 <211> 25
 <212> PRT
 <213> Hepatitis C Virus

<400> 33
 Tyr Ile Pro Leu Val Gly Ala Pro Leu Gly Gly Ala Ala Arg Ala Leu
 1 5 10 15
 Ala His Gly Val Arg Val Leu Glu Asp
 20 25

<210> 34
 <211> 25
 <212> PRT
 <213> Hepatitis C Virus

<400> 34
 Gly Ala Ala Arg Ala Leu Ala His Gly Val Arg Val Leu Glu Asp Gly
 1 5 10 15
 Val Asn Tyr Ala Thr Gly Asn Leu Pro
 20 25

<210> 35
 <211> 23
 <212> PRT
 <213> Hepatitis C Virus

<400> 35
 Leu Glu Asp Gly Val Asn Tyr Ala Thr Gly Asn Leu Pro Gly Cys Ser
 1 5 10 15
 Phe Ser Ile Phe Leu Leu Ala
 20

<210> 36
 <211> 23
 <212> PRT
 <213> Hepatitis C Virus

<400> 36

Leu Pro Gly Cys Ser Phe Ser Ile Phe Leu Leu Ala Leu Leu Ser Cys
1 5 10 15
Leu Thr Val Pro Ala Ser Ala
 20